WAREHOUSE B30005
V.A. MEDICAL CENTER
VAMEDICAL CENTER(575)
2121 NORTH AVE BLDG 7
GRAND JUCTION, CO 81501
PO#: 575-B30005

Item No.	Qty	Catalog No.	Description
	1		**Definium 5000**
1	1	S1700JA	Definium 5000 U-Arm

Definium 5000 is a floor mounted U-Arm positioner combined with the GE Healthcare Cesium Iodide flat panel detector.

U-Arm

- Motorized U-arm - Variable SID with auto positions at 40" & 72" (100 and 180 cm).
- U-Arm rotation of +120/- 30 degrees.
- Motorized Flat Panel Detector angle of +/- 45 degrees.
- Focus to floor distance of 16.73 to 49.8 in (42.5 to 126 cm) with digital display.
- Three field Ionization Chamber with AEC.

Grids (2) 70 line, 13:1 focused to 100 and 180 cm.

X-Ray tube - degree angle, 150 kVp, 400 kHU, 0.6/1.2mm focus (40/102 kW).

Control Room Console with gantry movements & collimation.

Generator:
- 65kW High Frequency.
- 100 kVp @ 650 mA.
- kVp range 40 - 150 mA range of 10 - 650.
- Exposure time 1ms to 2 sec.
- mAs range 0.1 - 520 mAs in manual mode; 0.1 - 512 mAs in AEC mode.

Digital Processor and console

Workstation Specifications:
- One flat touch screen 19 in. (46cm) monitor: 1280 x 1024.
- Hard Disk Storage: >3200 Image storage.
- Preview image: <4 sec.
- Final conditioned image: <7 sec.
- Expose to expose time: >= 9 sec.

Image Display Tools:
- Window width and level.
- Gray scale invert.

- Interpolated zoom with roam.
- Image flip and rotation.
- L/R markers.
- Free text annotation.
- Manual shuttering.

Image Processing and Annotation Functions:

Smart Windowing - automated, image-based, and technique-independent method of determining brightness and contrast for image display.

Soft and Hard Tissue Equalization - algorithm to enhance contrast in under-penetrated or over-penetrated areas within the image for Image Annotation.

Measurement tools:

System text Annotations with configurable font size and display on/off of hospital, date, measurements, technique factors, patient data, worklist auto-refresh, et al.

Intelligent Collimation Edge Detection (ICED) - algorithm relies solely on image information in order to locate any collimation edges present in an x-ray image.

Detector Exposure Index (DEI) is a tool for tracking patient over/under-exposure by estimating radiation exposure behind the patient and is a relative measure of exposure to the detector; limits configurable and adaptable to preferred acquisition techniques.

Workflow Features:

- Copy Patient - allows user to copy patient images into a second patient entry.
- Emergency patient feature.
- Print preview function.
- "Patient Directory" - fast access to image and exam database for case review & file management.
- Multi-format printing - 1:1, 2:1 (horizontal and vertical if printer supports) and 4:1.
- Read/Write CD-RW for image exchange medium; DICOM Viewer included.
- Default protocols allow quick selection of the appropriate

techniques for common procedures/exams Networking:

Images may be transmitted manually or automatically through the DICOM interface to printers, archival devices, servers, or review workstations.

Please refer to the DICOM Conformance Statement for complete definition of supported DICOM connectivity services.

Network Specifications:

- IHE Compliance for Scheduled Workflow Integration Profile.
- DICOM 3.0 Services - DX or CR, SCU, SCP (DX only).
- DICOM Query/Retrieve, SCU (images from PACS).
- DICOM Modality Worklist,for HIS/RIS SCU (with programmable auto refresh).
- DICOM Grayscale Print - manual and auto
  (with print layout options at the console).
- DICOM CD-R Media Media Exchange (DX only).
- DICOM feedback to HIS/RIS SPS PPS - MPPS.
- HIPAA Compliance -system Access and Authorization Control.

Minimum Printer Requirements:

10 and 12-bit printers (Non-DICOM laser camera connectivity requires DICOM upgrade). GE Healthnet Services (North America) can provide physical network connectivity solutions - Layer 1 and 2 Ethernet.

(IEEE 802.3) interoperability - and include network components and physical installation. ILinqy remote system diagnostic service support is available through the GE On-line Center and does not require on-site service personnel.

Digital Detector:

- Amorphous silicon, cesium iodide-based detector.
- High DQE of 65% at zero line pairs at RAQ5.
- Detector size: 41 cm x 41 cm (16 x 16 in.) using an active area of 40.44 x 40.44 cm.
- Detector matrix: 2048 x 2048 using an active matrix of 2022x2022.

Generator Power (no-charge select) 480V,3 phase.

Item No.	Qty	Catalog No.	Description
			Note: does not include DAP meter for dose monitoring which is not upgradeable in the field
2	1	S1700JF	Image Paste

Image Paste

- Provides the ability to paste (or stitch) 2-6 contiguous images into one long image, e.g. scoliosis or long leg studies. Software automatically pastes (stitches) the images during the reconstruction phase. The operator has the flexibility of manually pasting (stitching) or adjusting the image overlap if the resulting paste (stitched) image is unsatisfactory.
- Includes the Patient Barrier, which helps support the patient remaining motionless, and safety protection when the U-arm is moved from image acquisition position to the next position. The Patient Barrier is positioned in pre-drilled holes in the floor for quick and proper alignment.
- Supports anatomies/view combinations of Spine Antero-posterior, Spine Postero-anterior, Spine Lateral, Leg Antero-posterior, Leg Postero-anterior.
- Includes a patient stand with screen to keep the patient comfortable during acquisition.

Item No.	Qty	Catalog No.	Description
3	1	S1700JB	Infrared Remote

Infrared Remote

U-arm function controls up to 10 ft (3 m) with 170 degree sweep.
Functions supported:
- Collimator shutter control
- Collimator light
- "Move" button to initiate U-arm movement for pre-programmed settings
- Fast/Slow U-arm movement speed
- Automatic programmed position Vertical (PA)
- Automatic programmed position Horizontal (Lateral)
- Detector tilt in both direction
- U-arm vertical movement
- U-arm rotational movement
- SID adjustment

Item No.	Qty	Catalog No.	Description
4	1	S1700JC	Ceiling Support

Ceiling Support

U-Arm vertical column support for sites that do not have sufficient load bearing wall for the standard wall mount, or desire the U-arm installed away from a wall.

Item No.	Qty	Catalog No.	Description
5	1	S1700JD	Automatic Collimator with Spectral Filters

Automatic Collimator with Spectral Filters

- Automatic collimation sizing with PBL or manual adjustment (slow and fast movements)
- Digital display of the collimator field size
- Field of view light field
- Laser centering light
- Manual tape measure for non-detector imaging
- Spectral filters (0, 0.1, 0.2 mm Cu) that can be manually moved into position by a simple sliding bar on the collimator.

Item No.	Qty	Catalog No.	Description
6	1	E4502ST	25 KAIC X-Ray Main Disconnect Panel 80 Amp, 480 V / 208 V

25 KAIC X-Ray Main Disconnect Panel 80 Amp, 480 V / 208 V

FEATURES/BENEFITS

- Serves as the main power disconnect between the X-Ray system and the facility 480V or 208V power source
- Provides emergency shut down, undervoltage protection and overcurrent protection for the X-Ray power distribution cabinet
- Standardized design provides a platform for future upgrades of the system
- Offers a number of advantages by combining a variety of individual components into a single pre-engineered and factory tested panel
- UL and cUL listed for compliance with NEC Article 100 and Article 110-3
- Remote emergency off pushbutton located by X-Ray control provides immediate shut down of the entire system to comply with NEC required disconnecting means
- Surface or semi-flush mounting

Item No.	Qty	Catalog No.	Description

SPECIFICATIONS

- Dimensions (H x W x D): 48" x 20" x 6.68"
- Weight: 80 lbs.
- Mounting: via keyhole slots; Width is 16" on centers, Height is 45.5" on centers

COMPATIBILITY

- GE Three Phase X-Ray generators

NOTES:

- Customer is responsible for rigging and arranging for installation with a certified electrician
- ITEM IS NON-RETURNABLE AND NON-REFUNDABLE

Item No.	Qty	Catalog No.	Description
7	1	E7018D	Weight Bearing Rolling Stand for Definium 5000

WEIGHT BEARING ROLLING STAND FOR DEFINIUM 5000

This unique and versatile weight bearing stand allows the technologist to position the Weight Bearing Stand over the DR receptor to achieve outstanding imaging of AP weight bearing feet, lateral weight bearing feet, AP and lateral weight bearing ankles. Positioning of the Weight Bearing Stand over the DR receptor is easy due to the Teflon guides, which align the cart over the digital receptor.

INTENDED USE

The Weight Bearing Stand is intended to be used as a patient support device to facilitate obtaining specialized views of the lower extremities during radiographic examinations.

FEATURES AND BENEFITS

- Accommodates patient weights up to 450 lbs.
- Patients simply step up onto the stand for specialized views of the lower extremities (such as weight bearing feet and/or lateral feet/ankles)
- The stand includes a "clear view" top, for visualization of the Digital Image Receptor center, as well as a non-slip step tread
- Rolls easy on floors
- Includes a patient hand rail

Item No.	Qty	Catalog No.	Description
			• Wheels are independently self-locking for added safety

SPECIFICATIONS

- Height (floor to platform top surface): 19.67"
- Height (floor to hand rail): 55.67"
- Width: 32.25"
- Depth: 56.5"
- Patient Maximum Load Capacity: 450 lbs.

Item No.	Qty	Catalog No.	Description
8	1	W0100RA	6 Day X-ray System Training

6 Day XR System Training

One 4 day and one 2 day TiP Onsite Training visits for the X-ray system.

Includes T&L expenses. Days provided consecutively.

This training program must be scheduled and completed within 12 months after the date of product delivery.

Item No.	Qty	Catalog No.	Description
9	1	W0104RA	Auto Image Paste TiP Training: 2 Consecutive Days Onsite

Auto Image Paste TiP Training: 2 Consecutive Days Onsite

Two consecutive days of TiP Applications Onsite X-ray training covering the Auto Image Paste function.

Onsite training provided from 8AM to 5PM, Monday through Friday. Includes T&L expenses.

This training program must be scheduled and completed within 12 months after the date of product delivery.

Discounted Configuration Price

Item No.	Qty	Catalog No.	Description
	1		**GDXR Special Approved Model**
10	1	S1700JK	Table - Elevating Carbon Fiber Top

Table - Elevating Carbon Fiber Top

Overall Table Dimensions:
- Length of Table 89.2 in (226.5 cm)
- Width 26.4 in (67 cm)
- Height adjustment range 10.4 in. (26.5 cm)
- Table Weight 264.4 Lbs (129 kg)

Table Top Dimensions:
- Length of Table Top 86.6 in (220 cm)
- Width 26.4 in (67 cm)
- Thickness < 2.1 in (<5.4 cm)
- Max. Deflection 496 lbs (225 kg prone Patient) 1.2 in (0.3 cm)

X-Ray Transparency Area:
- length > 66.9in (> 170 cm)
- width 26.4 in (67 cm)
- X-Ray Absorption Factor < 1.2 AL

Travel Positions:
- Longitudinal Final Positioning Unlimited (X)
- Transverse Fine Positioning (Y) +/- 3.9 in (+/- 10 cm)
- High Positioning (Z) 23.6 - 34.1 in (60 - 86.5 cm)
- Height elevation via manual pump
- No electrical power or batteries required
- Patient weight 495 Lbs (225kg)

Discounted Configuration Price